

	SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM
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RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
	MC NL PT RO SE SI SK TR
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.:	WO 2003-US15711 A 20030519
PRIORITY INFO.:	US 2002-60/380,872 20020517
	US 2003-60/448,922 20030224
	US 2003-60/448,874 20030224

=> d his

(FILE 'HOME' ENTERED AT 08:47:47 ON 16 JUN 2005)

FILE 'MEDLINE' ENTERED AT 08:48:04 ON 16 JUN 2005

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L1      1751 S (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENY
L2      1770838 S CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?
L3      689248 S ANTIBOD?
L4      118667 S L3 AND L2
L5      120 S L4 AND L1
L6      9 S ANTI () RLIP76
L7      9 S L6 AND L2
L8      186084 S CHEMOTHERAP? OR (ANTI () CANCER) OR (ANTI () TUMOR)
L9      10 S L8 AND L5
L10     6 S L9 NOT PY>2002

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FILE 'CANCERLIT' ENTERED AT 08:56:09 ON 16 JUN 2005

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L11     333 S (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENY
L12     1235212 S CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?
L13     1 S ANTI () RLIP76
L14     158713 S CHEMOTHERAP? OR (ANTI () CANCER) OR (ANTI () TUMOR)
L15     223 S L11 AND L12
L16     162627 S ANTIBOD?
L17     64 S L16 AND L15

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FILE 'CAPLUS' ENTERED AT 08:58:49 ON 16 JUN 2005

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L18     9 S ANTI () RLIP76
L19     5 S L18 AND APOPTOS?
L20     2592 S (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENY
L21     710840 S CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?
L22     435084 S ANTIBOD?
L23     637 S L20 AND L21
L24     0 S AWASTHI/AU
L25     0 S AWASTHI_AU
L26     10 S AWASTHI
L27     46 S SINGHAL
L28     54 S L26 OR L27
L29     6 S L28 AND L20
L30     2 S L29 AND L21
L31     182 S L23 AND L22
L32     72 S L31 NOT PY>2001
L33     75397 S CHEMOTHERAP? OR (ANTI () CANCER) OR (ANTI () TUMOR)
L34     6 S L33 AND L32

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FILE 'PCTFULL' ENTERED AT 09:05:38 ON 16 JUN 2005

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L35     0 S ANTI () RLIP76
L36     15 S RLIP76
L37     14 S L36 AND ANTIBOD?
L38     86505 S CANCER? OR TUMOR? OR NEOPLAS?
L39     14 S L37 AND L38
L40     0 S L36/AB
L41     1 S L36/CLM

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=> s chemotherap? or (anti () cancer) or (anti () tumor)  
 27024 CHEMOTHERAP?  
 156094 ANTI  
 152 ANTIS  
 156120 ANTI  
 (ANTI OR ANTIS)  
 65286 CANCER  
 24911 CANCERS  
 67304 CANCER  
 (CANCER OR CANCERS)  
 9940 ANTI (W) CANCER  
 156094 ANTI  
 152 ANTIS  
 156120 ANTI  
 (ANTI OR ANTIS)  
 49237 TUMOR  
 31033 TUMORS  
 54481 TUMOR  
 (TUMOR OR TUMORS)  
 8214 ANTI (W) TUMOR  
 L42 33474 CHEMOTHERAP? OR (ANTI (W) CANCER) OR (ANTI (W) TUMOR)

=> s l42 and l39  
 L43 6 L42 AND L39

=> d ibib 1-3

L43 ANSWER 1 OF 6 PCTFULL COPYRIGHT 2005 Univentio on STN  
 ACCESSION NUMBER: 2004067778 PCTFULL ED 20040818 EW 200433  
 TITLE (ENGLISH): DIFFERENTIALLY EXPRESSED GENES IN LARGE GRANULAR  
 LYMPHOCYTE LEUKEMIA  
 TITLE (FRENCH): GENES A EXPRESSION DIFFERENTIELLE DANS UNE LEUCEMIE A  
 GRAND LYMPHOCYTE GRANULAIRE  
 INVENTOR(S): LOUGHRAN, Thomas, P., Jr., 657 Meadow Rose Court,  
 Hummelstown, PA 17036, US [US, US];  
 KOTHAPALLI, Ravi, 29623 Birds Eye Drive, Wesley Chapel,  
 FL 33543, US [CA, US]  
 PATENT ASSIGNEE(S): UNIVERSITY OF SOUTH FLORIDA, 4202 East Fowler Avenue,  
 FAO 126, Tampa, FL 33620, US [US, US], for all  
 designates States except US;  
 LOUGHRAN, Thomas, P., Jr., 657 Meadow Rose Court,  
 Hummelstown, PA 17036, US [US, US], for US only;  
 KOTHAPALLI, Ravi, 29623 Birds Eye Drive, Wesley Chapel,  
 FL 33543, US [CA, US], for US only  
 AGENT: PACE, Doran, R.\$, Saliwanchik, Lloyd & Saliwanchik, A  
 Professional Association, 2421 N.W. 41st Street Suite  
 A-1, Gainesville, FL 32606-6669\$, US  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 DOCUMENT TYPE: Patent  
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2004067778	A2	20040812

DESIGNATED STATES

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AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO  
 CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
 HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
 MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
 RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ  
 VC VN YU ZA ZM ZW

RW (ARIPO): BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
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 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU

MC NL PT RO SE SI SK TR  
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 APPLICATION INFO.: WO 2004-US2341 A 20040128  
 PRIORITY INFO.: US 2003-60/319,910 20030128

L43 ANSWER 2 OF 6 PCTFULL COPYRIGHT 2005 Univentio on STN  
 ACCESSION NUMBER: 2004038376 PCTFULL ED 20040512 EW 200419  
 TITLE (ENGLISH): BINARY PREDICTION TREE MODELING WITH MANY PREDICTORS  
 AND ITS USES IN CLINICAL AND GENOMIC APPLICATIONS  
 TITLE (FRENCH): MODELISATION D'UN ARBRE PREVISIONNEL BINAIRE A  
 PLUSIEURS PREDICTEURS, ET SON UTILISATION DANS DES  
 APPLICATIONS CLINIQUES ET GENOMIQUES  
 INVENTOR(S): NEVINS, Joseph, R., 100 York Place, Chapel Hill, NC  
 27514, US [US, US];  
 WEST, Mike, 11 Beaver Place, Durham, NC 27705, US [GB,  
 US];  
 HUANG, Andrew, T., 4841 Moriah Hill, Durham, NC 27707,  
 US [US, US]  
 PATENT ASSIGNEE(S): DUKE UNIVERSITY, University Office of Science and  
 Technology, Davidson Building, Room 454, DUMC 3664,  
 Durham, NC 27710, US [US, US], for all designates  
 States except US;  
 NEVINS, Joseph, R., 100 York Place, Chapel Hill, NC  
 27514, US [US, US], for US only;  
 WEST, Mike, 11 Beaver Place, Durham, NC 27705, US [GB,  
 US], for US only;  
 HUANG, Andrew, T., 4841 Moriah Hill, Durham, NC 27707,  
 US [US, US], for US only  
 AGENT: SITLANI, Sanjay\$, Ropes & Gray LLP, One International  
 Place, Boston, MA 02110-2624\$, US  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 DOCUMENT TYPE: Patent  
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2004038376	A2	20040506

DESIGNATED STATES  
 W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
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 MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC  
 SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN  
 YU ZA ZM ZW  
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU  
 MC NL PT RO SE SI SK TR  
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.: WO 2003-US33946 A 20031024  
 PRIORITY INFO.: US 2002-60/420,729 20021024  
 US 2002-60/421,062 20021025  
 US 2002-60/421,102 20021025  
 US 2002-60/424,715 20021108  
 US 2002-60/424,718 20021108  
 US 2002-60/424,701 20021108  
 US 2002-60/425,256 20021112  
 US 2003-60/448,462 20030221  
 US 2003-60/448,461 20030221  
 US 2003-60/457,877 20030327  
 US 2003-60/458,373 20030331

L43 ANSWER 3 OF 6 PCTFULL COPYRIGHT 2005 Univentio on STN  
 ACCESSION NUMBER: 2003097854 PCTFULL ED 20031202 EW 200348  
 TITLE (ENGLISH): NOVEL BIOMARKERS OF TYROSINE KINASE INHIBITOR EXPOSURE

AND ACTIVITY IN MAMMALS  
 TITLE (FRENCH): NOUVEAUX BIOMARQUEURS D'EXPOSITION A UN INHIBITEUR DE  
 TYROSINE KINASE ET D'ACTIVITE CHEZ LES MAMMIFERES  
 INVENTOR(S): MORIMOTO, Alyssa, 131 W. 40th Avenue, San Mateo, CA  
 94403, US [US, US];  
 DEPRIMO, Samuel, 435 Sheridan Avenue, Apt. 207, Palo  
 Alto, CA 94306, US [US, US];  
 O'FARRELL, Anne-Marie, 844 Fremont Street #4, Menlo  
 Park, CA 94025, US [IE, US];  
 SMOLICH, Beverly, D., 351 Anna Avenue, Mountain View,  
 CA 94043, US [US, US];  
 MANNING, William, C., 3660 Country Club Drive, Redwood  
 City, CA 94061, US [US, US];  
 WALTER, Sarah, A., 2615 Delaware Avenue, Redwood City,  
 CA 94061, US [US, US];  
 SCHILLING, James, Walter, Jr., 1350 Bel Aire Road, San  
 Mateo, CA 94402, US [US, US];  
 CHERRINGTON, Julie, 4495 A 25th Street, San Francisco,  
 CA 94114, US [US, US]  
 PATENT ASSIGNEE(S): SUGEN, INC., 230 East Grand Avenue, South San  
 Francisco, CA 94080, US [US, US], for all designates  
 States except US;  
 MORIMOTO, Alyssa, 131 W. 40th Avenue, San Mateo, CA  
 94403, US [US, US], for US only;  
 DEPRIMO, Samuel, 435 Sheridan Avenue, Apt. 207, Palo  
 Alto, CA 94306, US [US, US], for US only;  
 O'FARRELL, Anne-Marie, 844 Fremont Street #4, Menlo  
 Park, CA 94025, US [IE, US], for US only;  
 SMOLICH, Beverly, D., 351 Anna Avenue, Mountain View,  
 CA 94043, US [US, US], for US only;  
 MANNING, William, C., 3660 Country Club Drive, Redwood  
 City, CA 94061, US [US, US], for US only;  
 WALTER, Sarah, A., 2615 Delaware Avenue, Redwood City,  
 CA 94061, US [US, US], for US only;  
 SCHILLING, James, Walter, Jr., 1350 Bel Aire Road, San  
 Mateo, CA 94402, US [US, US], for US only;  
 CHERRINGTON, Julie, 4495 A 25th Street, San Francisco,  
 CA 94114, US [US, US], for US only  
 AGENT: BURROUS, Beth, A.\$, Foley & Lardner, Washington  
 Harbour, 3000 K Street N.W., Suite 500, Washington, DC  
 20007-5101\$, US  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 DOCUMENT TYPE: Patent  
 PATENT INFORMATION:  

NUMBER	KIND	DATE
WO 2003097854	A2	20031127

 DESIGNATED STATES  
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 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU  
 MC NL PT RO SE SI SK TR  
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 APPLICATION INFO.: WO 2003-US15711 A 20030519  
 PRIORITY INFO.: US 2002-60/380,872 20020517  
 US 2003-60/448,922 20030224  
 US 2003-60/448,874 20030224

=> d ibib 4-6

L43 ANSWER 4 OF 6 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 2002000618 PCTFULL ED 20020814  
TITLE (ENGLISH): PROGESTERONE RECEPTOR-REGULATED GENE EXPRESSION AND  
METHODS RELATED THERETO  
TITLE (FRENCH): EXPRESSION GENIQUE A REGULATION PAR RECEPTEUR DE  
PROGESTERONE ET PROCEDES CONNEXES  
INVENTOR(S): HORWITZ, Kathryn, B.;  
RICHER, Jennifer  
PATENT ASSIGNEE(S): UNIVERSITY TECHNOLOGY CORPORATION;  
HORWITZ, Kathryn, B.;  
RICHER, Jennifer  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2002000618	A2	20020103

DESIGNATED STATES

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CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.: WO 2001-US20612 A 20010628  
PRIORITY INFO.: US 2000-60/214,870 20000628  
US 2001-09/814,916 20010321

L43 ANSWER 5 OF 6 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 2001066753 PCTFULL ED 20020822  
TITLE (ENGLISH): HUMAN GENES AND GENE EXPRESSION PRODUCTS  
TITLE (FRENCH): NOUVEAUX GENES HUMAINS ET LEURS PRODUITS D'EXPRESSION  
INVENTOR(S): WILLIAMS, Lewis, T.;  
ESCOBEDO, Jaime;  
INNIS, Michael, A.;  
GARCIA, Pablo, Dominguez;  
SUDDUTH-KLINGER, Julie;  
REINHARD, Christoph;  
RANDAZZO, Filippo;  
KENNEDY, Giulia, C.;  
POT, David;  
KASSAM, Altaf;  
LAMSON, George;  
DRMANAC, Radoje;  
CRKVENJAKOV, Radomir;  
DICKSON, Mark;  
DRMANAC, Snezana;  
LABAT, Ivan;  
LESHKOWITZ, Dena;  
KITA, David;  
GARCIA, Veronica;  
JONES, William, Lee;  
STACHE-CRAIN, Birgit  
PATENT ASSIGNEE(S): CHIRON CORPORATION;  
HYSEQ INC.;  
WILLIAMS, Lewis, T.;  
ESCOBEDO, Jaime;  
INNIS, Michael, A.;  
GARCIA, Pablo, Dominguez;  
SUDDUTH-KLINGER, Julie;  
REINHARD, Christoph;

RANDAZZO, Filippo;  
 KENNEDY, Giulia, C.;  
 POT, David;  
 KASSAM, Altaf;  
 LAMSON, George;  
 DRMANAC, Radoje;  
 CRKVENJAKOV, Radomir;  
 DICKSON, Mark;  
 DRMANAC, Snezana;  
 LABAT, Ivan;  
 LESHKOWITZ, Dena;  
 KITA, David;  
 GARCIA, Veronica;  
 JONES, William, Lee;  
 STACHE-CRAIN, Birgit  
 Patent

DOCUMENT TYPE:  
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2001066753	A2	20010913

DESIGNATED STATES  
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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
 CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL  
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 SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
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 CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:  
 PRIORITY INFO.:

WO 2001-US7787	A	20010309
US 2000-60/188,609		20000309

L43 ANSWER 6 OF 6

ACCESSION NUMBER:

TITLE (ENGLISH):

TITLE (FRENCH):

PCTFULL COPYRIGHT 2005 Univentio on STN  
 2001047944 PCTFULL ED 20020827  
 NUCLEIC ACIDS CONTAINING SINGLE NUCLEOTIDE  
 POLYMORPHISMS AND METHODS OF USE THEREOF  
 ACIDES NUCLEIQUES CONTENANT DES POLYMORPHISMES  
 MONONUCLEOTIDIQUES ET PROCEDES D'UTILISATION  
 CORRESPONDANTS

INVENTOR(S):

SHIMKETS, Richard, A.;  
 LEACH, Martin

PATENT ASSIGNEE(S):

CURAGEN CORPORATION;  
 SHIMKETS, Richard, A.;  
 LEACH, Martin

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2001047944	A2	20010705

DESIGNATED STATES  
 W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU  
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 MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
 TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD  
 SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY  
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 CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:  
 PRIORITY INFO.:

WO 2000-US35498	A	20001228
US 1999-60/173,419		19991228
US 2000-60/173,419		20001227

=> d his

(FILE 'HOME' ENTERED AT 08:47:47 ON 16 JUN 2005)

FILE 'MEDLINE' ENTERED AT 08:48:04 ON 16 JUN 2005

L1 1751 S (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENY  
L2 1770838 S CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?  
L3 689248 S ANTIBOD?  
L4 118667 S L3 AND L2  
L5 120 S L4 AND L1  
L6 9 S ANTI () RLIP76  
L7 9 S L6 AND L2  
L8 186084 S CHEMOTHERAP? OR (ANTI () CANCER) OR (ANTI () TUMOR)  
L9 10 S L8 AND L5  
L10 6 S L9 NOT PY>2002

FILE 'CANCERLIT' ENTERED AT 08:56:09 ON 16 JUN 2005

L11 333 S (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENY  
L12 1235212 S CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?  
L13 1 S ANTI () RLIP76  
L14 158713 S CHEMOTHERAP? OR (ANTI () CANCER) OR (ANTI () TUMOR)  
L15 223 S L11 AND L12  
L16 162627 S ANTIBOD?  
L17 64 S L16 AND L15

FILE 'CAPLUS' ENTERED AT 08:58:49 ON 16 JUN 2005

L18 9 S ANTI () RLIP76  
L19 5 S L18 AND APOPTOS?  
L20 2592 S (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENY  
L21 710840 S CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?  
L22 435084 S ANTIBOD?  
L23 637 S L20 AND L21  
L24 0 S AWASTHI/AU  
L25 0 S AWASTHI\_AU  
L26 10 S AWASTHI  
L27 46 S SINGHAL  
L28 54 S L26 OR L27  
L29 6 S L28 AND L20  
L30 2 S L29 AND L21  
L31 182 S L23 AND L22  
L32 72 S L31 NOT PY>2001  
L33 75397 S CHEMOTHERAP? OR (ANTI () CANCER) OR (ANTI () TUMOR)  
L34 6 S L33 AND L32

FILE 'PCTFULL' ENTERED AT 09:05:38 ON 16 JUN 2005

L35 0 S ANTI () RLIP76  
L36 15 S RLIP76  
L37 14 S L36 AND ANTIBOD?  
L38 86505 S CANCER? OR TUMOR? OR NEOPLAS?  
L39 14 S L37 AND L38  
L40 0 S L36/AB  
L41 1 S L36/CLM  
L42 33474 S CHEMOTHERAP? OR (ANTI () CANCER) OR (ANTI () TUMOR)  
L43 6 S L42 AND L39

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	10.92	129.52

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
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STN INTERNATIONAL LOGOFF AT 09:08:31 ON 16 JUN 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1	Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	"Ask CAS" for self-help around the clock
NEWS 3 FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS 4 FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS 5 MAR 02	GBFULL: New full-text patent database on STN
NEWS 6 MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 7 MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS 9 MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 10 MAR 22	PATDPASPC - New patent database available
NEWS 11 MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 12 APR 04	EPFULL enhanced with additional patent information and new fields
NEWS 13 APR 04	EMBASE - Database reloaded and enhanced
NEWS 14 APR 18	New CAS Information Use Policies available online
NEWS 15 APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS 16 APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
NEWS 17 MAY 23	GBFULL enhanced with patent drawing images
NEWS 18 MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS 19 JUN 06	STN Patent Forums to be held in June 2005
NEWS 20 JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS 21 JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS 22 JUN 13	FRFULL enhanced with patent drawing images
NEWS EXPRESS	JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items



NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:08:22 ON 16 JUN 2005

=> file disabs

'DISABS' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'HOME'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> file disab

'DISAB' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'HOME'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> file dissab

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'DISSABS' ENTERED AT 11:08:50 ON 16 JUN 2005

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FILE COVERS 1861 TO 25 MAY 2005 (20050525/ED)

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=> s RLIP76

L1 0 RLIP76

=> d his

(FILE 'HOME' ENTERED AT 11:08:22 ON 16 JUN 2005)

FILE 'DISSABS' ENTERED AT 11:08:50 ON 16 JUN 2005

L1 0 S RLIP76

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

0.41

0.62

STN INTERNATIONAL LOGOFF AT 11:09:16 ON 16 JUN 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	4	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	5	MAR 02	GBFULL: New full-text patent database on STN
NEWS	6	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10	MAR 22	PATDPASPC - New patent database available
NEWS	11	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	13	APR 04	EMBASE - Database reloaded and enhanced
NEWS	14	APR 18	New CAS Information Use Policies available online
NEWS	15	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
NEWS	18	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19	JUN 06	STN Patent Forums to be held in June 2005
NEWS	20	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	21	JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	22	JUN 13	FRFULL enhanced with patent drawing images
NEWS	EXPRESS		JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS	HOURS		STN Operating Hours Plus Help Desk Availability
NEWS	INTER		General Internet Information
NEWS	LOGIN		Welcome Banner and News Items
NEWS	PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS	WWW		CAS World Wide Web Site (general information)

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 08:47:47 ON 16 JUN 2005

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 08:48:04 ON 16 JUN 2005

FILE LAST UPDATED: 15 JUN 2005 (20050615/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP  
RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>

[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the  
MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> s (RLIP76) or (76-kDa Rai-interacting protein) or (Dinitrophenyl S-glutathione  
ATPase) or (DNP-SG ATPase) or (raIA binding protein 1) or (RaIBP1) or (Rai  
interacting protein 1) or (RIP) or (RIP1) or (RLIP1)

27 RLIP76

97251 76

99822 KDA

3 KDAS

99824 KDA

(KDA OR KDAS)

768 RAI

16 RAIS

780 RAI

(RAI OR RAIS)

25642 INTERACTING

1400455 PROTEIN

1164248 PROTEINS

1779482 PROTEIN

(PROTEIN OR PROTEINS)

0 76-KDA RAI-INTERACTING PROTEIN

(76(W)KDA(W)RAI(W)INTERACTING(W)PROTEIN)

2561 DINITROPHENYL

4901945 S

65514 GLUTATHIONE

60 GLUTATHIONES

65522 GLUTATHIONE

(GLUTATHIONE OR GLUTATHIONES)

56852 ATPASE

10416 ATPASES

60001 ATPASE

(ATPASE OR ATPASES)

2 DINITROPHENYL S-GLUTATHIONE ATPASE

(DINITROPHENYL(W)S(W)GLUTATHIONE(W)ATPASE)

3911 DNP

45 DNPS

3934 DNP

```

        (DNP OR DNPS)
2622 SG
  448 SGS
2985 SG
      (SG OR SGS)
56852 ATPASE
10416 ATPASES
60001 ATPASE
      (ATPASE OR ATPASES)
  15 DNP-SG ATPASE
      (DNP(W) SG(W) ATPASE)
  25 RAIA
720082 BINDING
  1353 BINDINGS
720388 BINDING
      (BINDING OR BINDINGS)
1400455 PROTEIN
1164248 PROTEINS
1779482 PROTEIN
      (PROTEIN OR PROTEINS)
3488942 1
  0 RAIA BINDING PROTEIN 1
      (RAIA(W) BINDING(W) PROTEIN(W) 1)
  1 RAIBP1
  768 RAI
  16 RAIS
  780 RAI
      (RAI OR RAIS)
  25642 INTERACTING
1400455 PROTEIN
1164248 PROTEINS
1779482 PROTEIN
      (PROTEIN OR PROTEINS)
3488942 1
  0 RAI INTERACTING PROTEIN 1
      (RAI(W) INTERACTING(W) PROTEIN(W) 1)
  1525 RIP
  284 RIPS
  1666 RIP
      (RIP OR RIPS)
  57 RIPL
  1 RLIP1
L1    1751 (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENYL
      S-GLUTATHIONE ATPASE) OR (DNP-SG ATPASE) OR (RAIA BINDING PROTEI
      N 1) OR (RAIBP1) OR (RAI INTERACTING PROTEIN 1) OR (RIP) OR
      (RIPL) OR (RLIP1)

=> s cancer? or tumor? or neoplas? or apoptos?
  527406 CANCER?
  734850 TUMOR?
  1426573 NEOPLAS?
  97334 APOPTOS?
L2    1770838 CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?

=> s antibod?
L3    689248 ANTIBOD?

=> s 13 and 12
L4    118667 L3 AND L2

=> s 14 and 11
L5    120 L4 AND L1

=> s anti () RLIP76
  567340 ANTI

```

6 ANTIS  
567344 ANTI  
(ANTI OR ANTIS)  
27 RLIP76  
L6 9 ANTI (W) RLIP76

=> s 16 and 12

L7 9 L6 AND L2

=> d ibib 1-4

L7 ANSWER 1 OF 9 MEDLINE on STN  
ACCESSION NUMBER: 2005076316 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 15705900  
TITLE: RLIP76 transports vinorelbine and mediates drug resistance  
in non-small cell lung cancer.  
AUTHOR: Stuckler David; Singhal Jyotsana; Singhal Sharad S; Yadav  
Sushma; Awasthi Yogesh C; Awasthi Sanjay  
CORPORATE SOURCE: Department of Chemistry and Biochemistry, University of  
Texas at Arlington, 502 Yates Street, Arlington, TX  
76019-0065, USA.  
CONTRACT NUMBER: CA 104661 (NCI)  
CA 77495 (NCI)  
ES 012171 (NIEHS)  
SOURCE: Cancer research, (2005 Feb 1) 65 (3) 991-8.  
Journal code: 2984705R. ISSN: 0008-5472.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200503  
ENTRY DATE: Entered STN: 20050212  
Last Updated on STN: 20050315  
Entered Medline: 20050314

L7 ANSWER 2 OF 9 MEDLINE on STN  
ACCESSION NUMBER: 2004581401 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 15386349  
TITLE: RLIP76 (RALBP1)-mediated transport of leukotriene C4 (LTC4)  
in cancer cells: implications in drug resistance.  
AUTHOR: Sharma Rajendra; Singhal Sharad S; Wickramarachchi Dilki;  
Awasthi Yogesh C; Awasthi Sanjay  
CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics,  
University of Texas Medical Branch at Galveston, Galveston,  
TX, USA.  
CONTRACT NUMBER: CA 104661 (NCI)  
CA 77495 (NCI)  
ES012171 (NIEHS)  
SOURCE: International journal of cancer. Journal international du  
cancer, (2004 Dec 20) 112 (6) 934-42.  
Journal code: 0042124. ISSN: 0020-7136.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200411  
ENTRY DATE: Entered STN: 20041124  
Last Updated on STN: 20041219  
Entered Medline: 20041130

L7 ANSWER 3 OF 9 MEDLINE on STN  
ACCESSION NUMBER: 2003477612 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12888579  
TITLE: Cells preconditioned with mild, transient UVA irradiation  
acquire resistance to oxidative stress and UVA-induced

apoptosis: role of 4-hydroxynonenal in UVA-mediated signaling for apoptosis.

AUTHOR: Yang Yusong; Sharma Abha; Sharma Rajendra; Patrick Brad; Singhal Sharad S; Zimniak Piotr; Awasthi Sanjay; Awasthi Yogesh C

CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics, University of Texas Medical Branch, Galveston, Texas 77555.

CONTRACT NUMBER: CA 77495 (NCI)

ES 07804 (NIEHS)

EY 04396 (NEI)

GM 32304 (NIGMS)

SOURCE: Journal of biological chemistry, (2003 Oct 17) 278 (42) 41380-8. Electronic Publication: 2003-07-29. Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200312

ENTRY DATE: Entered STN: 20031015  
Last Updated on STN: 20031219  
Entered Medline: 20031203

L7 ANSWER 4 OF 9 MEDLINE on STN

ACCESSION NUMBER: 2003350967 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12882793

TITLE: Mechanisms and physiological significance of the transport of the glutathione conjugate of 4-hydroxynonenal in human lens epithelial cells.

AUTHOR: Sharma Rajendra; Yang Yusong; Sharma Abha; Dwivedi Seema; Popov Vsevolod L; Boor Paul J; Singhal Sharad S; Awasthi Sanjay; Awasthi Yogesh C

CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics, University of Texas Medical Branch, Galveston, Texas, USA.

CONTRACT NUMBER: CA77495 (NCI)

EY04396 (NEI)

GM32304 (NIGMS)

HL65416 (NHLBI)

SOURCE: Investigative ophthalmology & visual science, (2003 Aug) 44 (8) 3438-49. Journal code: 7703701. ISSN: 0146-0404.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200308

ENTRY DATE: Entered STN: 20030729  
Last Updated on STN: 20030812  
Entered Medline: 20030811

=> d ibib 5-9

L7 ANSWER 5 OF 9 MEDLINE on STN

ACCESSION NUMBER: 2003303466 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12833161

TITLE: Lipid peroxidation and cell cycle signaling: 4-hydroxynonenal, a key molecule in stress mediated signaling.

AUTHOR: Yang Yusong; Sharma Rajendra; Sharma Abha; Awasthi Sanjay; Awasthi Yogesh C

CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics, University of Texas Medical Branch, Galveston, TX 77550, USA.

CONTRACT NUMBER: CA 77495 (NCI)

EY 04396 (NEI)  
GM 32304 (NIGMS)

SOURCE: Acta biochimica Polonica, (2003) 50 (2) 319-36. Ref: 82  
Journal code: 14520300R. ISSN: 0001-527X.  
PUB. COUNTRY: Poland  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200406  
ENTRY DATE: Entered STN: 20030701  
Last Updated on STN: 20040602  
Entered Medline: 20040601

L7 ANSWER 6 OF 9 MEDLINE on STN  
ACCESSION NUMBER: 2003118310 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12632061  
TITLE: Role of RLIP76 in lung cancer doxorubicin  
resistance: III. Anti-RLIP76 antibodies  
trigger apoptosis in lung cancer cells  
and synergistically increase doxorubicin cytotoxicity.  
AUTHOR: Awasthi Sanjay; Singhal Sharad S; Singhal Jyotsana; Yang  
Yusong; Zimniak Piotr; Awasthi Yogesh C  
CORPORATE SOURCE: Department of Chemistry and Biochemistry, University of  
Texas at Arlington, Arlington, TX 76019-0065, USA..  
sawasthi@uta.edu  
CONTRACT NUMBER: CA-77495 (NCI)  
ES-07408 (NIEHS)  
GM-32304 (NIGMS)

SOURCE: International journal of oncology, (2003 Apr) 22 (4)  
721-32.  
Journal code: 9306042. ISSN: 1019-6439.  
PUB. COUNTRY: Greece  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200311  
ENTRY DATE: Entered STN: 20030313  
Last Updated on STN: 20031217  
Entered Medline: 20031117

L7 ANSWER 7 OF 9 MEDLINE on STN  
ACCESSION NUMBER: 2003118309 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12632060  
TITLE: Role of RLIP76 in lung cancer doxorubicin  
resistance: II. Doxorubicin transport in lung  
cancer by RLIP76.  
AUTHOR: Awasthi Sanjay; Singhal Sharad S; Singhal Jyotsana; Cheng  
Jizhong; Zimniak Piotr; Awasthi Yogesh C  
CORPORATE SOURCE: Department of Chemistry and Biochemistry, University of  
Texas at Arlington, Arlington, TX 76019-0065, USA..  
sawasthi@uta.edu  
CONTRACT NUMBER: CA-77495 (NCI)  
GM-32304 (NIGMS)

SOURCE: International journal of oncology, (2003 Apr) 22 (4)  
713-20.  
Journal code: 9306042. ISSN: 1019-6439.  
PUB. COUNTRY: Greece  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200311  
ENTRY DATE: Entered STN: 20030313  
Last Updated on STN: 20031217  
Entered Medline: 20031117



L7 ANSWER 8 OF 9 MEDLINE on STN  
 ACCESSION NUMBER: 2003020829 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 12527936  
 TITLE: Role of RLIP76 in lung cancer doxorubicin  
 resistance: I. The ATPase activity of RLIP76 correlates  
 with doxorubicin and 4-hydroxynonenal resistance in lung  
 cancer cells.  
 AUTHOR: Singhal Sharad S; Singhal Jyotsana; Sharma Rajendra; Singh  
 Shivendra V; Zimniak Piotr; Awasthi Yogesh C; Awasthi  
 Sanjay  
 CORPORATE SOURCE: Department of Chemistry and Biochemistry, University of  
 Texas at Arlington, Arlington, TX 76019, USA.  
 CONTRACT NUMBER: CA-76348 (NCI)  
 CA-77495 (NCI)  
 GM-32304 (NIGMS)  
 SOURCE: International journal of oncology, (2003 Feb) 22 (2)  
 365-75.  
 Journal code: 9306042. ISSN: 1019-6439.  
 PUB. COUNTRY: Greece  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200308  
 ENTRY DATE: Entered STN: 20030116  
 Last Updated on STN: 20030827  
 Entered Medline: 20030826

L7 ANSWER 9 OF 9 MEDLINE on STN  
 ACCESSION NUMBER: 2001646951 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 11522795  
 TITLE: Accelerated metabolism and exclusion of 4-hydroxynonenal  
 through induction of RLIP76 and hGST5.8 is an early  
 adaptive response of cells to heat and oxidative stress.  
 AUTHOR: Cheng J Z; Sharma R; Yang Y; Singhal S S; Sharma A; Saini M  
 K; Singh S V; Zimniak P; Awasthi S; Awasthi Y C  
 CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics,  
 University of Texas Medical Branch, Galveston, Texas  
 77555-1067, USA.  
 CONTRACT NUMBER: CA 27967 (NCI)  
 CA 76348 (NCI)  
 CA 77495 (NCI)  
 ES 07804 (NIEHS)  
 EY 04396 (NEI)  
 SOURCE: Journal of biological chemistry, (2001 Nov 2) 276 (44)  
 41213-23. Electronic Publication: 2001-08-24.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200112  
 ENTRY DATE: Entered STN: 20011112  
 Last Updated on STN: 20030105  
 Entered Medline: 20011207

=> d his

(FILE 'HOME' ENTERED AT 08:47:47 ON 16 JUN 2005)

FILE 'MEDLINE' ENTERED AT 08:48:04 ON 16 JUN 2005

L1 1751 S (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENY  
 L2 1770838 S CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?  
 L3 689248 S ANTIBOD?

L4 118667 S L3 AND L2  
L5 120 S L4 AND L1  
L6 9 S ANTI ( ) RLIP76  
L7 9 S L6 AND L2

=> s chemotherap? or (anti ( ) cancer) or (anti ( ) tumor)

177410 CHEMOTHERAP?  
567340 ANTI  
6 ANTIS  
567344 ANTI  
(ANTI OR ANTIS)  
499487 CANCER  
71228 CANCERS  
521748 CANCER  
(CANCER OR CANCERS)  
4454 ANTI (W) CANCER  
567340 ANTI  
6 ANTIS  
567344 ANTI  
(ANTI OR ANTIS)  
599650 TUMOR  
262823 TUMORS  
719465 TUMOR  
(TUMOR OR TUMORS)

6376 ANTI (W) TUMOR  
L8 186084 CHEMOTHERAP? OR (ANTI (W) CANCER) OR (ANTI (W) TUMOR)

=> s 18 and 15

L9 10 L8 AND L5

=> s 19 not py>2002

1421511 PY>2002

L10 6 L9 NOT PY>2002

=> d ibib 1-3

L10 ANSWER 1 OF 6 MEDLINE on STN  
ACCESSION NUMBER: 2002279533 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 12019144  
TITLE: Antitumor effects in mice of low-dose (metronomic)  
cyclophosphamide administered continuously through the  
drinking water.  
AUTHOR: Man Shan; Bocci Guido; Francia Giulio; Green Shane K; Jothy  
Serge; Hanahan Douglas; Bohlen Peter; Hicklin Daniel J;  
Bergers Gabriele; Kerbel Robert S  
CORPORATE SOURCE: Departments of Medical Biophysics, Sunnybrook and Women's  
College Health Sciences Centre, University of Toronto, 2075  
Bayview Avenue, Toronto, Ontario, M4N 3M5 Canada.  
CONTRACT NUMBER: R01 CA-41233 (NCI)  
SOURCE: Cancer research, (2002 May 15) 62 (10) 2731-5.  
Journal code: 2984705R. ISSN: 0008-5472.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200207  
ENTRY DATE: Entered STN: 20020522  
Last Updated on STN: 20020712  
Entered Medline: 20020710

L10 ANSWER 2 OF 6 MEDLINE on STN  
ACCESSION NUMBER: 2000021743 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10553158  
TITLE: An Epstein-Barr virus-infected lymphoblastoid cell line  
(D430B) that grows in SCID-mice with the morphologic

features of a CD30+ anaplastic large cell lymphoma, and is sensitive to anti-CD30 immunotoxins.

AUTHOR: Tazzari P L; de Toter D; Bolognesi A; Testoni N; Pileri S; Roncella S; Reato G; Stein H; Gobbi M; Stirpe F

CORPORATE SOURCE: Servizio di Immunoematologia e Trasfusionale, Policlinico S.Orsola, Bologna, Italy.

SOURCE: Haematologica, (1999 Nov) 84 (11) 988-95.  
Journal code: 0417435. ISSN: 0390-6078.

PUB. COUNTRY: Italy

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200002

ENTRY DATE: Entered STN: 20000218  
Last Updated on STN: 20030118  
Entered Medline: 20000207

L10 ANSWER 3 OF 6 MEDLINE on STN

ACCESSION NUMBER: 1999132006 MEDLINE

DOCUMENT NUMBER: PubMed ID: 9931318

TITLE: Purification, characterization and molecular cloning of trichoanguin, a novel type I ribosome-inactivating protein from the seeds of *Trichosanthes anguina*.

AUTHOR: Chow L P; Chou M H; Ho C Y; Chuang C C; Pan F M; Wu S H; Lin J Y

CORPORATE SOURCE: Institute of Biochemistry, College of Medicine, National Taiwan University, Taipei, Republic of China..  
lupin@ha.mc.ntu.edu.tw

SOURCE: Biochemical journal, (1999 Feb 15) 338 ( Pt 1) 211-9.  
Journal code: 2984726R. ISSN: 0264-6021.

PUB. COUNTRY: ENGLAND: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals; AIDS

OTHER SOURCE: GENBANK-AF055086

ENTRY MONTH: 199904

ENTRY DATE: Entered STN: 19990511  
Last Updated on STN: 20021210  
Entered Medline: 19990427

=> d ibib abs 1

L10 ANSWER 1 OF 6 MEDLINE on STN

ACCESSION NUMBER: 2002279533 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12019144

TITLE: Antitumor effects in mice of low-dose (metronomic) cyclophosphamide administered continuously through the drinking water.

AUTHOR: Man Shan; Bocci Guido; Francia Giulio; Green Shane K; Jothy Serge; Hanahan Douglas; Bohlen Peter; Hicklin Daniel J; Bergers Gabriele; Kerbel Robert S

CORPORATE SOURCE: Departments of Medical Biophysics, Sunnybrook and Women's College Health Sciences Centre, University of Toronto, 2075 Bayview Avenue, Toronto, Ontario, M4N 3M5 Canada.

CONTRACT NUMBER: R01 CA-41233 (NCI)

SOURCE: Cancer research, (2002 May 15) 62 (10) 2731-5.  
Journal code: 2984705R. ISSN: 0008-5472.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200207

ENTRY DATE: Entered STN: 20020522  
Last Updated on STN: 20020712

Entered Medline: 20020710

AB A number of recent preclinical studies have sparked interest in the concept of exploiting conventional chemotherapeutic drugs as antiangiogenics. Such antiangiogenic activity is achieved or optimized by metronomic-dosing protocols in which the drug is given at comparatively low doses using a frequent schedule of administration (e.g., once to three times per week) with no breaks, particularly when combined with an endothelial cell-specific antiangiogenic drug. The use of p.o. chemotherapeutic drugs is particularly suitable for this type of treatment strategy. We tested one such drug, cyclophosphamide (CTX), in a protocol wherein the drug was administered to mice at low doses, of approximately 10-40 mg/kg on a daily basis through the drinking water. CTX is typically given p.o. to patients, but it has almost always been injected when treating preclinical mouse tumor models. We found p.o. CTX to be a safe and convenient treatment with significant antitumor efficacy. Growth delays were observed for human orthotopic breast or ectopic colon cancer xenografts in nude or SCID mice. Established PC3 human prostate tumor xenografts could be induced to almost fully regress, remaining virtually nonpalpable for > or =2 months of continuous therapy, after which tumors began to grow progressively. These re-emergent tumors were not found to be drug resistant when tested in new hosts, using the same treatment protocol. Regression of spontaneously arising, late-stage pancreatic islet cell carcinomas in Rip Tag transgenic mice was also observed. The effects of continuous p.o. CTX treatment were enhanced significantly in an orthotopic, metastatic breast cancer xenograft model when used in combination with an antivascular endothelial growth factor receptor-2 blocking antibody. Maximum tolerated dose levels established for other mouse strains proved highly toxic to SCID mice, whereas daily p.o. low-dose regimens of CTX were well tolerated. Taken together, the results demonstrate the feasibility of delivering CTX in a p.o. metronomic chemotherapy regimen, which proved safe, reasonably efficacious, and potentially applicable to chronic treatment. Such a regimen may be particularly well suited for integration with antiangiogenic drugs.

=> d'ibib 4-6

L10 ANSWER 4 OF 6 MEDLINE on STN  
ACCESSION NUMBER: 97060446 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8903481  
TITLE: Highly potent CD22-recombinant ricin A results in complete cure of disseminated malignant B-cell xenografts in SCID mice but fails to cure solid xenografts in nude mice.  
AUTHOR: Van Horssen P J; Preijers F W; Van Oosterhout Y V; De Witte T  
CORPORATE SOURCE: Department of Hematology, University Hospital St. Radboud, Nijmegen, The Netherlands.  
SOURCE: International journal of cancer. Journal international du cancer, (1996 Nov 4) 68 (3) 378-83.  
Journal code: 0042124. ISSN: 0020-7136.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199612  
ENTRY DATE: Entered STN: 19970128  
Last Updated on STN: 19980206  
Entered Medline: 19961223

L10 ANSWER 5 OF 6 MEDLINE on STN  
ACCESSION NUMBER: 95355155 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 7543082  
TITLE: Therapy of human B-cell lymphoma bearing SCID mice is more

effective with anti-CD19- and anti-CD38-saporin  
immunotoxins used in combination than with either  
immunotoxin used alone.

AUTHOR: Flavell D J; Boehm D A; Emery L; Noss A; Ramsay A; Flavell  
S U  
CORPORATE SOURCE: Simon Flavell Leukaemia Research Laboratory, Southampton  
General Hospital, UK.  
SOURCE: International journal of cancer. Journal international du  
cancer, (1995 Jul 28) 62 (3) 337-44.  
Journal code: 0042124. ISSN: 0020-7136.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199509  
ENTRY DATE: Entered STN: 19950921  
Last Updated on STN: 20021218  
Entered Medline: 19950907

L10 ANSWER 6 OF 6 MEDLINE on STN  
ACCESSION NUMBER: 93350529 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8348066  
TITLE: Rationale for the clinical use of immunotoxins: monoclonal  
antibodies conjugated to ribosome-inactivating  
proteins.  
AUTHOR: Preijers F W  
CORPORATE SOURCE: Department of Hematology, University Hospital St. Radboud,  
Nijmegen, The Netherlands.  
SOURCE: Leukemia & lymphoma, (1993 Mar) 9 (4-5) 293-304. Ref: 101  
Journal code: 9007422. ISSN: 1042-8194.  
PUB. COUNTRY: Switzerland  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199309  
ENTRY DATE: Entered STN: 19931001  
Last Updated on STN: 19970203  
Entered Medline: 19930915

=> d ibib abs 6

L10 ANSWER 6 OF 6 MEDLINE on STN  
ACCESSION NUMBER: 93350529 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8348066  
TITLE: Rationale for the clinical use of immunotoxins: monoclonal  
antibodies conjugated to ribosome-inactivating  
proteins.  
AUTHOR: Preijers F W  
CORPORATE SOURCE: Department of Hematology, University Hospital St. Radboud,  
Nijmegen, The Netherlands.  
SOURCE: Leukemia & lymphoma, (1993 Mar) 9 (4-5) 293-304. Ref: 101  
Journal code: 9007422. ISSN: 1042-8194.  
PUB. COUNTRY: Switzerland  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199309  
ENTRY DATE: Entered STN: 19931001  
Last Updated on STN: 19970203  
Entered Medline: 19930915

AB The use of chemotherapeutic drugs in combination with bone marrow transplantation to treat cancer patients has markedly improved the disease-free survival and cure rate. Part of the tumor cells, however, can escape from therapy due to resistance. Tumor-specific delivery of toxins that do not interfere with conventional drugs and are not cell cycle dependent seems to be a reasonable approach to overcome this problem. Natural ribosome-inhibiting-proteins (RIPs) from plants, bacteria and fungi which are extremely toxic inhibitors of protein synthesis are isolated and coupled to monoclonal antibodies (MoAbs) and receptor-specific ligands, immunotoxins (ITs), to fulfil this purpose. ITs are very suitable to eliminate malignant cells in vitro and in vivo. RIPs contain two or three active sites: a binding site which can be absent in a part of the RIPs and can be replaced by the MoAb; a translocation site that facilitates transport into the cytosol after internalization, and a cytotoxic site that enzymatically inhibits protein synthesis. Binding site containing toxins induce strong nonspecific cytotoxicity when coupled to MoAbs. Recent developments in recombinant DNA techniques enable genetic elimination of the binding site to reduce nonspecific cytotoxicity of these toxins. In this review the structures and mechanisms of action of RIPs as well as factors that influence cytotoxicity of immunotoxins are discussed. Moreover the problems dealing with in vivo application of ITs such as blood clearance by instability of the IT and hepatic entrapment, and production of antibodies directed against MoAb and toxin are reviewed.

=> file cancerlit  
 COST IN U.S. DOLLARS  
 FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
7.93	8.14

FILE 'CANCERLIT' ENTERED AT 08:56:09 ON 16 JUN 2005

FILE COVERS 1963 TO 15 Nov 2002 (20021115/ED)

On July 28, 2002, CANCERLIT was reloaded. See HELP RLOAD for details.

CANCERLIT thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2002 vocabulary. Enter HELP THESAURUS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (RLIP76) or (76-kDa RAI-interacting protein) or (Dinitrophenyl S-glutathione ATPase) or (DNP-SG ATPase) or (raIA binding protein 1) or (RaIBP1) or (RaI interacting protein 1) or (RIP) or (RIP1) or (RLIP1)

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  4 RLIP76
    19756 76
    19524 KDA
      1 KDAS
    19525 KDA
      (KDA OR KDAS)
    416 RAI
      2 RAIS
    416 RAI
      (RAI OR RAIS)
    4645 INTERACTING
    292697 PROTEIN
    254816 PROTEINS
    376912 PROTEIN
      (PROTEIN OR PROTEINS)
    0 76-KDA RAI-INTERACTING PROTEIN
      (76 (W) KDA (W) RAI (W) INTERACTING (W) PROTEIN)
    605 DINITROPHENYL

```

760584 S  
13383 GLUTATHIONE  
7 GLUTATHIONES  
13385 GLUTATHIONE  
(Glutathione OR GLUTATHIONES)  
4113 ATPASE  
605 ATPASES  
4331 ATPASE  
(ATPASE OR ATPASES)  
2 DINITROPHENYL S-GLUTATHIONE ATPASE  
(DINITROPHENYL (W) S (W) GLUTATHIONE (W) ATPASE)  
839 DNP  
9 DNPS  
845 DNP  
(DNP OR DNPS)  
355 SG  
45 SGS  
385 SG  
(SG OR SGS)  
4113 ATPASE  
605 ATPASES  
4331 ATPASE  
(ATPASE OR ATPASES)  
5 DNP-SG ATPASE  
(DNP (W) SG (W) ATPASE)  
3 RAIA  
138554 BINDING  
187 BINDINGS  
138589 BINDING  
(BINDING OR BINDINGS)  
292697 PROTEIN  
254816 PROTEINS  
376912 PROTEIN  
(PROTEIN OR PROTEINS)  
649093 1  
0 RAIA BINDING PROTEIN/ 1  
(RAIA (W) BINDING (W) PROTEIN (W) 1)  
0 RAIBP1  
416 RAI  
2 RAIS  
416 RAI  
(RAI OR RAIS)  
4645 INTERACTING  
292697 PROTEIN  
254816 PROTEINS  
376912 PROTEIN  
(PROTEIN OR PROTEINS)  
649093 1  
0 RAI INTERACTING PROTEIN 1  
(RAI (W) INTERACTING (W) PROTEIN (W) 1)  
296 RIP  
44 RIPS  
311 RIP  
(RIP OR RIPS)  
19 RIP1  
0 RLIP1  
L11 333 (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENYL  
S-GLUTATHIONE ATPASE) OR (DNP-SG ATPASE) OR (RAIA BINDING PROTEI  
N 1) OR (RAIBP1) OR (RAI INTERACTING PROTEIN 1) OR (RIP) OR  
(RIP1) OR (RLIP1)  
=> s cancer? or tumor? or neoplas? or apoptos?  
413999 CANCER?  
629285 TUMOR?  
902289 NEOPLAS?

39579 APOPTOS?  
L12 1235212 CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?

=> s anti ( ) RLIP76  
98976 ANTI  
1 ANTIS  
98977 ANTI  
(ANTI OR ANTIS)

4 RLIP76  
L13 1 ANTI (W) RLIP76

=> s chemotherap? or (anti ( ) cancer) or (anti ( ) tumor)  
152481 CHEMOTHERAP?

98976 ANTI  
1 ANTIS  
98977 ANTI  
(ANTI OR ANTIS)  
394414 CANCER  
62223 CANCERS  
411069 CANCER

(CANCER OR CANCERS)  
2968 ANTI (W) CANCER  
98976 ANTI  
1 ANTIS  
98977 ANTI  
(ANTI OR ANTIS)  
527668 TUMOR  
246054 TUMORS  
619610 TUMOR

(TUMOR OR TUMORS)  
5003 ANTI (W) TUMOR  
L14 158713 CHEMOTHERAP? OR (ANTI (W) CANCER) OR (ANTI (W) TUMOR)

=> s l11 and l12  
L15 223 L11 AND L12

=> s antibod?  
L16 162627 ANTIBOD?

=> s l16 and l15  
L17 64 L16 AND L15

=> d ibib l13

L13 ANSWER 1 OF 1 CANCERLIT on STN  
ACCESSION NUMBER: 2002091114 CANCERLIT  
DOCUMENT NUMBER: 21538830 PubMed ID: 11522795  
TITLE: Accelerated metabolism and exclusion of 4-hydroxynonenal  
through induction of RLIP76 and hGST5.8 is an early  
adaptive response of cells to heat and oxidative stress.  
AUTHOR: Cheng J Z; Sharma R; Yang Y; Singhal S S; Sharma A; Saini M  
K; Singh S V; Zimniak P; Awasthi S; Awasthi Y C  
CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics,  
University of Texas Medical Branch, Galveston, Texas  
77555-1067, USA.  
CONTRACT NUMBER: CA 27967 (NCI)  
CA 76348 (NCI)  
CA 77495 (NCI)  
ES 07804 (NIEHS)  
EY 04396 (NEI)  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Nov 2) 276 (44)  
41213-23.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)



LANGUAGE: English  
FILE SEGMENT: MEDLINE; Priority Journals  
OTHER SOURCE: MEDLINE 2001646951  
ENTRY MONTH: 200112  
ENTRY DATE: Entered STN: 20020726  
Last Updated on STN: 20020726

=> d ibib abs 113

L13 ANSWER 1 OF 1 CANCERLIT on STN  
ACCESSION NUMBER: 2002091114 CANCERLIT  
DOCUMENT NUMBER: 21538830 PubMed ID: 11522795  
TITLE: Accelerated metabolism and exclusion of 4-hydroxynonenal through induction of RLIP76 and hGST5.8 is an early adaptive response of cells to heat and oxidative stress.  
AUTHOR: Cheng J Z; Sharma R; Yang Y; Singhal S S; Sharma A; Saini M K; Singh S V; Zimniak P; Awasthi S; Awasthi Y C  
CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics, University of Texas Medical Branch, Galveston, Texas 77555-1067, USA.  
CONTRACT NUMBER: CA 27967 (NCI)  
CA 76348 (NCI)  
CA 77495 (NCI)  
ES 07804 (NIEHS)  
EY 04396 (NEI)  
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Nov 2) 276 (44) 41213-23.  
Journal code: 2985121R. ISSN: 0021-9258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: MEDLINE; Priority Journals  
OTHER SOURCE: MEDLINE 2001646951  
ENTRY MONTH: 200112  
ENTRY DATE: Entered STN: 20020726  
Last Updated on STN: 20020726

AB To explore the role of lipid peroxidation (LPO) products in the initial phase of stress mediated signaling, we studied the effect of mild, transient oxidative or heat stress on parameters that regulate the cellular concentration of 4-hydroxynonenal (4-HNE). When K562 cells were exposed to mild heat shock (42 degrees C, 30 min) or oxidative stress (50 microM H2O2, 20 min) and allowed to recover for 2 h, there was a severalfold induction of hGST5.8, which catalyzes the formation of glutathione-4-HNE conjugate (GS-HNE), and RLIP76, which mediates the transport of GS-HNE from cells (Awasthi, S., Cheng, J., Singhal, S. S., Saini, M. K., Pandya, U., Pikula, S., Bandorowicz-Pikula, J., Singh, S. V., Zimniak, P., and Awasthi, Y. C. (2000) Biochemistry 39, 9327-9334). Enhanced LPO was observed in stressed cells, but the major antioxidant enzymes and HSP70 remained unaffected. The stressed cells showed higher GS-HNE-conjugating activity and increased efflux of GS-HNE. Stress-pre-conditioned cells with induced hGST5.8 and RLIP76 acquired resistance to 4-HNE and H2O2-mediated apoptosis by suppressing a sustained activation of c-Jun N-terminal kinase and caspase 3. The protective effect of stress pre-conditioning against apoptosis was abrogated by coating the cells with anti-RLIP76 IgG, which inhibited the efflux of GS-HNE from cells, indicating that the cells acquired resistance to apoptosis by metabolizing and excluding 4-HNE at a higher rate. Induction of hGST5.8 and RLIP76 by mild, transient stress and the resulting resistance of stress-pre-conditioned cells to apoptosis appears to be a general phenomenon since it was not limited to K562 cells but was also evident in lung cancer cells, H-69, H-226, human leukemia cells, HL-60, and human retinal pigmented epithelial cells. These results strongly suggest a role of LPO products, particularly 4-HNE, in the initial phase of stress mediated signaling.

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
1.98	10.12

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 08:58:49 ON 16 JUN 2005  
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FILE COVERS 1907 - 16 Jun 2005 VOL 142 ISS 25  
FILE LAST UPDATED: 15 Jun 2005 (20050615/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s anti () RLIP76  
371043 ANTI  
9 ANTIS  
371050 ANTI  
(ANTI OR ANTIS)  
51 RLIP76  
L18 9 ANTI (W) RLIP76

=> s l18 and apoptos?  
101389 APOPTOS?  
L19 5 L18 AND APOPTOS?

=> d ibib 1-3

L19 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2004:654732 CAPLUS  
DOCUMENT NUMBER: 141:156120  
TITLE: Enhanced chemotherapy of cancer with antibodies to RLIP76  
INVENTOR(S): Awasthi, Sanjay; Singhal, Sharad S.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 30 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2004156853	A1	20040812	US 2003-714506	20031113
US 2005123594	A1	20050609	US 2003-713578	20031113
PRIORITY APPLN. INFO.:			US 2002-425814P	P 20021113
			US 2002-425917P	P 20021113

L19 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2003:811398 CAPLUS  
 DOCUMENT NUMBER: 139:392928  
 TITLE: Cells Preconditioned with Mild, Transient UVA  
 Irradiation Acquire Resistance to Oxidative Stress and  
 UVA-induced Apoptosis: Role of  
 4-Hydroxynonenal in UVA-Mediated Signaling for  
 Apoptosis  
 AUTHOR(S): Yang, Yusong; Sharma, Abha; Sharma, Rajendra; Patrick,  
 Brad; Singhal, Sharad S.; Zimniak, Piotr; Awasthi,  
 Sanjay; Awasthi, Yogesh C.  
 CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics,  
 University of Texas Medical Branch, Galveston, TX,  
 77555, USA  
 SOURCE: Journal of Biological Chemistry (2003), 278(42),  
 41380-41388  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PUBLISHER: American Society for Biochemistry and Molecular  
 Biology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2003:584249 CAPLUS  
 DOCUMENT NUMBER: 139:274096  
 TITLE: Lipid peroxidation and cell cycle signaling:  
 4-hydroxynonenal, a key molecule in stress mediated  
 signaling  
 AUTHOR(S): Yang, Yusong; Sharma, Rajendra; Sharma, Abha; Awasthi,  
 Sanjay; Awasthi, Yogesh C.  
 CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics,  
 University of Texas Medical Branch, Galveston, TX,  
 77550, USA  
 SOURCE: Acta Biochimica Polonica (2003), 50(2), 319-336  
 CODEN: ABPLAF; ISSN: 0001-527X  
 PUBLISHER: Polish Biochemical Society  
 DOCUMENT TYPE: Journal; General Review  
 LANGUAGE: English  
 REFERENCE COUNT: 83 THERE ARE 83 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib 4-5

L19 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2003:271217 CAPLUS  
 DOCUMENT NUMBER: 139:20312  
 TITLE: Role of RLIP76 in lung cancer doxorubicin resistance:  
 III. Anti-RLIP76 antibodies  
 trigger apoptosis in lung cancer cells and  
 synergistically increase doxorubicin cytotoxicity  
 AUTHOR(S): Awasthi, Sanjay; Singhal, Sharad S.; Singhal,  
 Jyotsana; Yang, Yusong; Zimniak, Piotr; Awasthi,  
 Yogesh C.  
 CORPORATE SOURCE: Department of Chemistry and Biochemistry, University  
 of Texas at Arlington, Arlington, TX, 76019, USA  
 SOURCE: International Journal of Oncology (2003), 22(4),  
 721-732  
 CODEN: IJONES; ISSN: 1019-6439  
 PUBLISHER: International Journal of Oncology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2001:846342 CAPLUS  
DOCUMENT NUMBER: 136:99840  
TITLE: Accelerated metabolism and exclusion of  
4-hydroxynonenal through induction of RLIP76 and  
hGST5.8 is an early adaptive response of cells to heat  
and oxidative stress  
AUTHOR(S): Cheng, Ji-Zhong; Sharma, Rajendra; Yang, Yusong;  
Singhal, Sharad S.; Sharma, Abha; Saini, Manjit K.;  
Singh, Shivendra V.; Zimniak, Piotr; Awasthi, Sanjay;  
Awasthi, Yogesh C.  
CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics,  
University of Texas Medical Branch, Galveston, TX,  
77555-1067, USA  
SOURCE: Journal of Biological Chemistry (2001), 276(44),  
41213-41223  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib abs 5

L19 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2001:846342 CAPLUS  
DOCUMENT NUMBER: 136:99840  
TITLE: Accelerated metabolism and exclusion of  
4-hydroxynonenal through induction of RLIP76 and  
hGST5.8 is an early adaptive response of cells to heat  
and oxidative stress  
AUTHOR(S): Cheng, Ji-Zhong; Sharma, Rajendra; Yang, Yusong;  
Singhal, Sharad S.; Sharma, Abha; Saini, Manjit K.;  
Singh, Shivendra V.; Zimniak, Piotr; Awasthi, Sanjay;  
Awasthi, Yogesh C.  
CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics,  
University of Texas Medical Branch, Galveston, TX,  
77555-1067, USA  
SOURCE: Journal of Biological Chemistry (2001), 276(44),  
41213-41223  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB To explore the role of lipid peroxidn. (LPO) products in the initial phase  
of stress mediated signaling, we studied the effect of mild, transient  
oxidative or heat stress on parameters that regulate the cellular concentration  
of 4-hydroxynonenal (4-HNE). When K562 cells were exposed to mild heat  
shock (42°C, 30 min) or oxidative stress (50 µM H2O2, 20 min)  
and allowed to recover for 2 h, there was a severalfold induction of  
hGST5.8, which catalyzes the formation of glutathione-4-HNE conjugate  
(GS-HNE), and RLIP76, which mediates the transport of GS-HNE from cells.  
Enhanced LPO was observed in stressed cells, but the major antioxidant  
enzymes and HSP70 remained unaffected. The stressed cells showed higher  
GS-HNE-conjugating activity and increased efflux of GS-HNE.  
Stress-pre-conditioned cells with induced hGST5.8 and RLIP76 acquired  
resistance to 4-HNE and H2O2-mediated apoptosis by suppressing a  
sustained activation of c-Jun N-terminal kinase and caspase 3. The

protective effect of stress pre-conditioning against apoptosis was abrogated by coating the cells with anti-RLIP76 IgG, which inhibited the efflux of GS-HNE from cells, indicating that the cells acquired resistance to apoptosis by metabolizing and excluding 4-HNE at a higher rate. Induction of hGST5.8 and RLIP76 by mild, transient stress and the resulting resistance of stress-pre-conditioned cells to apoptosis appears to be a general phenomenon since it was not limited to K562 cells but was also evident in lung cancer cells, H-69, H-226, human leukemia cells, HL-60, and human retinal pigmented epithelial cells. These results strongly suggest a role of LPO products, particularly 4-HNE, in the initial phase of stress mediated signaling.

REFERENCE COUNT: 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 08:47:47 ON 16 JUN 2005)

FILE 'MEDLINE' ENTERED AT 08:48:04 ON 16 JUN 2005

L1 1751 S (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENY  
L2 1770838 S CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?  
L3 689248 S ANTIBOD?  
L4 118667 S L3 AND L2  
L5 120 S L4 AND L1  
L6 9 S ANTI ( ) RLIP76  
L7 9 S L6 AND L2  
L8 186084 S CHEMOTHERAP? OR (ANTI ( ) CANCER) OR (ANTI ( ) TUMOR)  
L9 10 S L8 AND L5  
L10 6 S L9 NOT PY>2002

FILE 'CANCERLIT' ENTERED AT 08:56:09 ON 16 JUN 2005

L11 333 S (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENY  
L12 1235212 S CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?  
L13 1 S ANTI ( ) RLIP76  
L14 158713 S CHEMOTHERAP? OR (ANTI ( ) CANCER) OR (ANTI ( ) TUMOR)  
L15 223 S L11 AND L12  
L16 162627 S ANTIBOD?  
L17 64 S L16 AND L15

FILE 'CAPLUS' ENTERED AT 08:58:49 ON 16 JUN 2005

L18 9 S ANTI ( ) RLIP76  
L19 5 S L18 AND APOPTOS?

=> s (RLIP76) or (76-kDa RaI-interacting protein) or (Dinitrophenyl S-glutathione ATPase) or (DNP-SG ATPase) or (raIA binding protein 1) or (RaIBP1) or (RaI interacting protein 1) or (RIP) or (RIP1) or (RLIP1)

51 RLIP76  
160325 76  
121926 KDA  
7 KDAS  
121932 KDA  
(KDA OR KDAS)  
458 RAI  
29 RAIS  
484 RAI  
(RAI OR RAIS)  
74506 INTERACTING  
1753362 PROTEIN  
1218767 PROTEINS  
2036924 PROTEIN  
(PROTEIN OR PROTEINS)  
0 76-KDA RAI-INTERACTING PROTEIN  
(76(W)KDA(W)RAI(W)INTERACTING(W)PROTEIN)

19802 DINITROPHENYL  
     8 DINITROPHENYLS  
 19804 DINITROPHENYL  
         (DINITROPHENYL OR DINITROPHENYLS)  
 2688024 S  
     81640 GLUTATHIONE  
     173 GLUTATHIONES  
     81665 GLUTATHIONE  
         (GLUTATHIONE OR GLUTATHIONES)  
     79050 ATPASE  
     6803 ATPASES  
     80051 ATPASE  
         (ATPASE OR ATPASES)  
         4 DINITROPHENYL S-GLUTATHIONE ATPASE  
             (DINITROPHENYL (W) S (W) GLUTATHIONE (W) ATPASE)  
     7098 DNP  
     86 DNPS  
     7143 DNP  
         (DNP OR DNPS)  
     5873 SG  
     725 SGS  
     6466 SG  
         (SG OR SGS)  
     79050 ATPASE  
     6803 ATPASES  
     80051 ATPASE  
         (ATPASE OR ATPASES)  
         20 DNP-SG ATPASE  
             (DNP (W) SG (W) ATPASE)  
         46 RAIA  
     872402 BINDING  
     1914 BINDINGS  
     872939 BINDING  
         (BINDING OR BINDINGS)  
     1753362 PROTEIN  
     1218767 PROTEINS  
     2036924 PROTEIN  
         (PROTEIN OR PROTEINS)  
     8299369 1  
         0 RAIA BINDING PROTEIN 1  
             (RAIA (W) BINDING (W) PROTEIN (W) 1)  
         0 RAIBP1  
         458 RAI  
         29 RAIS  
         484 RAI  
             (RAI OR RAIS)  
         74506 INTERACTING  
     1753362 PROTEIN  
     1218767 PROTEINS  
     2036924 PROTEIN  
         (PROTEIN OR PROTEINS)  
     8299369 1  
         0 RAI INTERACTING PROTEIN 1  
             (RAI (W) INTERACTING (W) PROTEIN (W) 1)  
         2248 RIP  
         520 RIPS  
         2456 RIP  
             (RIP OR RIPS)  
         104 RIP1  
         2 RLIP1  
     2592 (RLIP76) OR (76-KDA RAI-INTERACTING PROTEIN) OR (DINITROPHENYL  
         S-GLUTATHIONE ATPASE) OR (DNP-SG ATPASE) OR (RAIA BINDING PROTEI  
         N 1) OR (RAIBP1) OR (RAI INTERACTING PROTEIN 1) OR (RIP) OR  
         (RIP1) OR (RLIP1)

=> s cancer? or tumor? or neoplas? or apoptos?  
261263 CANCER?  
393344 TUMOR?  
412231 NEOPLAS?  
101389 APOPTOS?  
L21 710840 CANCER? OR TUMOR? OR NEOPLAS? OR APOPTOS?

=> s antibod?  
L22 435084 ANTIBOD?

=> s 120 and 121  
L23 637 L20 AND L21

=> s awasthi/au  
L24 0 AWASTHI/AU

=> s awasthi\_au  
10 AWASTHI  
168670 AU  
1012 AUS  
169614 AU  
(AU OR AUS)  
L25 0 AWASTHI\_AU  
(AWASTHI(W)AU)

=> s awasthi  
L26 10 AWASTHI

=> s singhal  
L27 46 SINGHAL

=> s 126 or 127  
L28 54 L26 OR L27

=> s 128 and 120  
L29 6 L28 AND L20

=> s 129 and 121  
L30 2 L29 AND L21

=> d ibib

L30 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:811398 CAPLUS

DOCUMENT NUMBER: 139:392928

TITLE: Cells Preconditioned with Mild, Transient UVA  
Irradiation Acquire Resistance to Oxidative Stress and  
UVA-induced Apoptosis: Role of  
4-Hydroxynonenal in UVA-Mediated Signaling for  
Apoptosis

AUTHOR(S): Yang, Yusong; Sharma, Abha; Sharma, Rajendra; Patrick,  
Brad; Singhal, Sharad S.; Zimniak, Piotr; Awasthi,  
Sanjay; Awasthi, Yogesh C.

CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics,  
University of Texas Medical Branch, Galveston, TX,  
77555, USA

SOURCE: Journal of Biological Chemistry (2003), 278(42),  
41380-41388

PUBLISHER: CODEN: JBCHA3; ISSN: 0021-9258  
American Society for Biochemistry and Molecular  
Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 123 and 122  
L31 182 L23 AND L22

=> s 131 not py>2001  
3711793 PY>2001  
L32 72 L31 NOT PY>2001

=> s chemotherap? or (anti () cancer) or (anti () tumor)  
64494 CHEMOTHERAP?  
371043 ANTI  
9 ANTIS  
371050 ANTI  
(ANTI OR ANTIS)  
248357 CANCER  
35809 CANCERS  
257875 CANCER  
(CANCER OR CANCERS)  
4933 ANTI (W) CANCER  
371043 ANTI  
9 ANTIS  
371050 ANTI  
(ANTI OR ANTIS)  
339691 TUMOR  
136609 TUMORS  
383770 TUMOR  
(TUMOR OR TUMORS)  
7596 ANTI (W) TUMOR  
L33 75397 CHEMOTHERAP? OR (ANTI (W) CANCER) OR (ANTI (W) TUMOR)

=> s 133 and 132  
L34 6 L33 AND L32

=> d ibib 1-3

L34 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2001:82294 CAPLUS  
DOCUMENT NUMBER: 135:106083  
TITLE: Bispecific monoclonal antibodies for the  
targeting of type I ribosome-inactivating proteins  
against hematological malignancies  
AUTHOR(S): Ferrini, Silvano; Sforzini, Sabrina; Canevari, Silvana  
CORPORATE SOURCE: Immunopharmacology Unit, Istituto Nazionale per la  
Ricerca sul Cancro, Centro Biotecnologie Avanzate,  
Genoa, Italy  
SOURCE: Methods in Molecular Biology (Totowa, NJ, United  
States) (2001), 166(Immunotoxin Methods and  
Protocols), 177-192  
CODEN: MMBIED; ISSN: 1064-3745  
PUBLISHER: Humana Press Inc.  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L34 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2000:645353 CAPLUS  
DOCUMENT NUMBER: 134:192169  
TITLE: In vitro anti-tumor activity of  
anti-CD80 and anti-CD86 immunotoxins containing type 1  
ribosome-inactivating proteins  
AUTHOR(S): Bolognesi, Andrea; Polito, Letizia; Tazzari, Pier  
Luigi; Lemoli, Roberto M.; Lubelli, Chiara; Fogli,  
Miriam; Boon, Louis; De Boer, Mark; Stirpe, Fiorenzo



CORPORATE SOURCE: Dipartimento di Patologia Sperimentale, Universita di  
Bologna, Bologna, I-40126, Italy  
SOURCE: British Journal of Haematology (2000), 110(2), 351-361  
CODEN: BJHEAL; ISSN: 0007-1048  
PUBLISHER: Blackwell Science Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L34 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2000:95324 CAPLUS  
DOCUMENT NUMBER: 133:103504  
TITLE: An Epstein-Barr virus-infected lymphoblastoid cell  
line (D430B) that grows in SCID-mice with the  
morphologic features of a CD30+ anaplastic large cell  
lymphoma, and is sensitive to anti-CD30 immunotoxins  
AUTHOR(S): Tazzari, Pier Luigi; De Toter, Daniela; Bolognesi,  
Andrea; Testoni, Nicoletta; Pileri, Stefano; Roncella,  
Silvio; Reato, Gigliola; Stein, Harald; Gobbi, Marco;  
Stirpe, Fiorenzo  
CORPORATE SOURCE: Servizio di Immunoematologia e Trasfusionale, Bologna,  
40125, Italy  
SOURCE: Haematologica (1999), 84(11), 988-995  
CODEN: HAEMAX; ISSN: 0390-6078  
PUBLISHER: Ferrata Storti Foundation  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib 4-6

L34 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1999:169959 CAPLUS  
DOCUMENT NUMBER: 131:28496  
TITLE: Purification, characterization and molecular cloning  
of trichoanguin, a novel type I ribosome-inactivating  
protein from the seeds of Trichosanthes anguina  
AUTHOR(S): Chow, Lu-Ping; Chou, Ming-Huei; Ho, Cheng-Ying;  
Chuang, Chyh-Chong; Pan, Fu-Ming; Wu, Shih-Hsiung;  
Lin, Jung-Yaw  
CORPORATE SOURCE: Institute of Biochemistry, College of Medicine,  
National Taiwan University, Taipei, Taiwan  
SOURCE: Biochemical Journal (1999), 338(1), 211-219  
CODEN: BIJOAK; ISSN: 0264-6021  
PUBLISHER: Portland Press Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L34 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1998:312646 CAPLUS  
DOCUMENT NUMBER: 129:107766  
TITLE: Evaluation of immunotoxins containing single-chain  
ribosome-inactivating proteins and an anti-CD22  
monoclonal antibody (OM124): in vitro and in  
vivo studies  
AUTHOR(S): Bolognesi, Andrea; Tazzari, Pier Luigi; Olivieri,  
Fabiola; Polito, Letizia; Lemoli, Roberto; Terenzi,  
Adelmo; Pasqualucci, Laura; Falini, Brunangelo;  
Stirpe, Fiorenzo  
CORPORATE SOURCE: Dipartimento di Patologia Sperimentale, Universita di

SOURCE: Bologna, Bologna, I-40126, Italy  
 British Journal of Haematology (1998), 101(1), 179-188  
 CODEN: BJHEAL; ISSN: 0007-1048  
 PUBLISHER: Blackwell Science Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L34 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1989:219149 CAPLUS  
 DOCUMENT NUMBER: 110:219149  
 TITLE: Chemo-radio-immunoconjugates  
 INVENTOR(S): Sinkule, Joseph A.; Buchsbaum, Donald J.  
 PATENT ASSIGNEE(S): University of Michigan, USA  
 SOURCE: Eur. Pat. Appl., 12 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 282057	A2	19880914	EP 1988-103801	19880310
EP 282057	A3	19900307		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
NO 8801077	A	19880912	NO 1988-1077	19880310
DK 8801342	A	19880912	DK 1988-1342	19880311
AU 8813017	A1	19880915	AU 1988-13017	19880311
CN 88102026	A	19880928	CN 1988-102026	19880311
JP 63301833	A2	19881208	JP 1988-56533	19880311
PRIORITY APPLN. INFO.:			US 1987-30700	A 19870311

=> d kwic 5

L34 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Evaluation of immunotoxins containing single-chain ribosome-inactivating proteins and an anti-CD22 monoclonal antibody (OM124): in vitro and in vivo studies  
 AB Immunotoxins were prepared with three ribosome-inactivating proteins (RIP), momordin, pokeweed antiviral protein from seeds (PAP-S) and saporin-S6, linked to the anti-CD22 monoclonal antibody OM124. These immunotoxins inhibited protein synthesis by CD22-expressing cell lines Daudt, EHM, BJAB, Raji and BM21 with IC50 (concentration causing 50% inhibition) ranging from  $< 5 + 10^{-15}$  to  $7.6 + 10^{-11}$  M as RIP, and IC90 (concentration causing 90% inhibition) ranging from  $5 + 10^{-14}$  to  $5 + 10^{-8}$  M, with no effect on a CD22-neg. HL60 cell line at the highest concentration tested ( $5 + 10^{-8}$  M). Apoptosis was induced in sensitive cells. The formation of bone marrow colonies was inhibited by no more than 40% by the. . . effective in SCID mice transplanted with a low number of cells ( $3 + 10^{-6}$ ), when 60% of the animals remained tumor-free.  
 ST immunotoxin ribosome inactivating protein CD22 antibody  
 IT Antitumor agents  
 Antitumor agents  
 (B-cell lymphoma; preparation and anti-tumor evaluation of immunotoxins containing single-chain ribosome-inactivating proteins and an anti-CD22 monoclonal antibody)  
 IT Proteins, specific or class  
 RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)  
 (PAP (pokeweed antiviral protein), complex with anti-CD22 monoclonal

antibody; preparation and anti-tumor evaluation  
of immunotoxins containing single-chain ribosome-inactivating proteins and  
an anti-CD22 monoclonal antibody)

IT Proteins, specific or class  
RL: BAC (Biological activity or effector, except adverse); BPN  
(Biosynthetic preparation); BSU (Biological study, unclassified); BIOL  
(Biological study); PREP (Preparation)  
(RIP (ribosome-inactivating protein), complex with anti-CD22  
monoclonal antibody; preparation and anti-tumor  
evaluation of immunotoxins containing single-chain ribosome-inactivating  
proteins and an anti-CD22 monoclonal antibody)

IT Drug delivery systems  
(immunotoxins; preparation and anti-tumor evaluation of  
immunotoxins containing single-chain ribosome-inactivating proteins and an  
anti-CD22 monoclonal antibody)

IT Proteins, specific or class  
RL: BAC (Biological activity or effector, except adverse); BPN  
(Biosynthetic preparation); BSU (Biological study, unclassified); BIOL  
(Biological study); PREP (Preparation)  
(momordins, complex with anti-CD22 monoclonal antibody;  
preparation and anti-tumor evaluation of immunotoxins  
containing single-chain ribosome-inactivating proteins and an anti-CD22  
monoclonal antibody)

IT Antibodies  
RL: BAC (Biological activity or effector, except adverse); BPN  
(Biosynthetic preparation); BSU (Biological study, unclassified); BIOL  
(Biological study); PREP (Preparation)  
(monoclonal, immunotoxins; preparation and anti-tumor  
evaluation of immunotoxins containing single-chain ribosome-inactivating  
proteins and an anti-CD22 monoclonal antibody)

IT CD22 (antigen)  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(preparation and anti-tumor evaluation of immunotoxins  
containing single-chain ribosome-inactivating proteins and an anti-CD22  
monoclonal antibody)

IT Apoptosis  
(preparation and anti-tumor evaluation of immunotoxins  
containing single-chain ribosome-inactivating proteins and an anti-CD22  
monoclonal antibody in relation to)

IT Proteins, specific or class  
RL: BAC (Biological activity or effector, except adverse); BPN  
(Biosynthetic preparation); BSU (Biological study, unclassified); BIOL  
(Biological study); PREP (Preparation)  
(saporins 6, complex with anti-CD22 monoclonal antibody;  
preparation and anti-tumor evaluation of immunotoxins  
containing single-chain ribosome-inactivating proteins and an anti-CD22  
monoclonal antibody)

=> d ibib abs 5

L34 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1998:312646 CAPLUS  
DOCUMENT NUMBER: 129:107766  
TITLE: Evaluation of immunotoxins containing single-chain  
ribosome-inactivating proteins and an anti-CD22  
monoclonal antibody (OM124): in vitro and in  
vivo studies  
AUTHOR(S): Bolognesi, Andrea; Tazzari, Pier Luigi; Olivieri,  
Fabiola; Polito, Letizia; Lemoli, Roberto; Terenzi,  
Adelmo; Pasqualucci, Laura; Falini, Brunangelo;  
Stirpe, Fiorenzo  
CORPORATE SOURCE: Dipartimento di Patologia Sperimentale, Universita di  
Bologna, Bologna, I-40126, Italy  
SOURCE: British Journal of Haematology (1998), 101(1), 179-188

CODEN: BJHEAL; ISSN: 0007-1048  
PUBLISHER: Blackwell Science Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Immunotoxins were prepared with three ribosome-inactivating proteins (RIP), momordin, pokeweed antiviral protein from seeds (PAP-S) and saporin-S6, linked to the anti-CD22 monoclonal antibody OM124. These immunotoxins inhibited protein synthesis by CD22-expressing cell lines Daudt, EHM, BJAB, Raji and BM21 with IC50 (concentration causing 50% inhibition) ranging from  $< 5 + 10^{-15}$  to  $7.6 + 10^{-11}$  M as RIP, and IC90 (concentration causing 90% inhibition) ranging from  $5 + 10^{-14}$  to  $5 + 10^{-8}$  M, with no effect on a CD22-neg. HL60 cell line at the highest concentration tested ( $5 + 10^{-8}$  M). Apoptosis was induced in sensitive cells. The formation of bone marrow colonies was inhibited by no more than 40% by the immunotoxins at concns. up to  $10^{-9}$  M. Treatment with the immunotoxins, alone or in combination, significantly extended the survival time of mice bearing transplanted Daudi cells. A treatment with cyclophosphamide and OM124/saporin immunotoxin was particularly effective in SCID mice transplanted with a low number of cells ( $3 + 10^{-6}$ ), when 60% of the animals remained tumor-free.

REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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	ENTRY	SESSION
FULL ESTIMATED COST	108.48	118.60
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.19	-2.19

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MOST RECENT UPDATE WEEK: 200523 <200523/EW>  
FILE COVERS 1978 TO DATE

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=> s anti () RLIP76  
156094 ANTI  
152 ANTIS  
156120 ANTI  
(ANTI OR ANTIS)  
15 RLIP76  
L35 0 ANTI (W) RLIP76  
  
=> s RLIP76  
L36 15 RLIP76  
  
=> s l36 and antibod?  
78738 ANTIBOD?  
L37 14 L36 AND ANTIBOD?  
  
=> s cancer? or tumor? or neoplas?  
69168 CANCER?  
58080 TUMOR?  
19896 NEOPLAS?  
L38 86505 CANCER? OR TUMOR? OR NEOPLAS?  
  
=> s l37 and l38  
L39 14 L37 AND L38

=> s 136/ab  
L40 0 (RLIP76/AB)

=> s 136/clm  
L41 1 (RLIP76/CLM)

=> d ibib

L41 ANSWER 1 OF 1 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 2003097854 PCTFULL ED 20031202 EW 200348  
TITLE (ENGLISH): NOVEL BIOMARKERS OF TYROSINE KINASE INHIBITOR EXPOSURE  
AND ACTIVITY IN MAMMALS  
TITLE (FRENCH): NOUVEAUX BIOMARQUEURS D'EXPOSITION A UN INHIBITEUR DE  
TYROSINE KINASE ET D'ACTIVITE CHEZ LES MAMMIFERES  
INVENTOR(S): MORIMOTO, Alyssa, 131 W. 40th Avenue, San Mateo, CA  
94403, US [US, US];  
DEPRIMO, Samuel, 435 Sheridan Avenue, Apt. 207, Palo  
Alto, CA 94306, US [US, US];  
O'FARRELL, Anne-Marie, 844 Fremont Street #4, Menlo  
Park, CA 94025, US [IE, US];  
SMOLICH, Beverly, D., 351 Anna Avenue, Mountain View,  
CA 94043, US [US, US];  
MANNING, William, C., 3660 Country Club Drive, Redwood  
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WALTER, Sarah, A., 2615 Delaware Avenue, Redwood City,  
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SCHILLING, James, Walter, Jr., 1350 Bel Aire Road, San  
Mateo, CA 94402, US [US, US];  
CHERRINGTON, Julie, 4495 A 25th Street, San Francisco,  
CA 94114, US [US, US]  
PATENT ASSIGNEE(S): SUGEN, INC., 230 East Grand Avenue, South San  
Francisco, CA 94080, US [US, US], for all designates  
States except US;  
MORIMOTO, Alyssa, 131 W. 40th Avenue, San Mateo, CA  
94403, US [US, US], for US only;  
DEPRIMO, Samuel, 435 Sheridan Avenue, Apt. 207, Palo  
Alto, CA 94306, US [US, US], for US only;  
O'FARRELL, Anne-Marie, 844 Fremont Street #4, Menlo  
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SMOLICH, Beverly, D., 351 Anna Avenue, Mountain View,  
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MANNING, William, C., 3660 Country Club Drive, Redwood  
City, CA 94061, US [US, US], for US only;  
WALTER, Sarah, A., 2615 Delaware Avenue, Redwood City,  
CA 94061, US [US, US], for US only;  
SCHILLING, James, Walter, Jr., 1350 Bel Aire Road, San  
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CHERRINGTON, Julie, 4495 A 25th Street, San Francisco,  
CA 94114, US [US, US], for US only  
AGENT: BURROUS, Beth, A.\$, Foley & Lardner, Washington  
Harbour, 3000 K Street N.W., Suite 500, Washington, DC  
20007-5101\$, US  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2003097854	A2	20031127

DESIGNATED STATES  
W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID  
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD  
MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE